

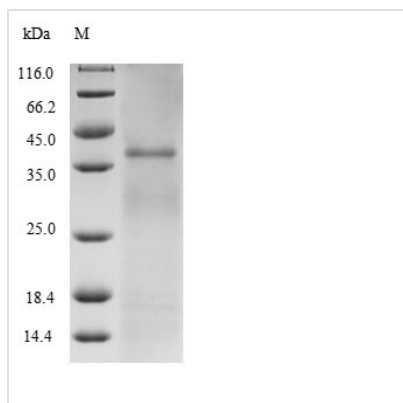


# Recombinant Mycobacterium tuberculosis Diacylglycerol acyltransferase/mycolyltransferase Ag85B (fbpB)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP314366MVZa0   |
| <b>Relevance</b>         | The antigen 85 proteins (FbpA, FbpB, FbpC) are responsible for the high affinity of mycobacteria for fibronectin, a large adhesive glycoprotein, which facilitates the attachment of M.tuberculosis to murine alveolar macrophages (AMs). They also help to maintain the integrity of the cell wall by catalyzing the transfer of mycolic acids to cell wall arabinogalactan and through the synthesis of alpha,alpha-trehalose dimycolate (TDM, cord factor). They catalyze the transfer of a mycoloyl residue from one molecule of alpha,alpha-trehalose monomycolate (TMM) to another TMM, leading to the formation of TDM |
| <b>Abbreviation</b>      | Recombinant Mycobacterium tuberculosis fbpB protein   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | P9WQP0  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)  |
| <b>Purity</b>            | ≥ 85% as determined by SDS-PAGE.  |
| <b>Sequence</b>          | FSRPGLPVEYLQVPSPSMGRDIKVQFQSGGNNSPAVYLLDGLRAQDDYNGW<br>DINTPAFEWYYQSGLSIVMPVGGQSSFYSDWYSPACGKAGCQTYKWETFLTS<br>ELPQWLSANRAVKPTGSAIIGLSMAGSSAMILAAYHPQQFIYAGSLSALLDPS<br>QGMGPSLIGLAMGDAGGYKAADMWGPSSDPAWERNPTQQIPKLVANNTRL<br>WVYCGNGTPNELGGANIPAEFLENFVRSSNLKFQDAYNAAGGHNAVFNFPPN<br>GTHSWEYWGAQLNAMKGDLQSSSLGAG   |
| <b>Research Area</b>     | others  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | fbpB  |
| <b>Protein Names</b>     | 30 kDa extracellular protein Acyl-CoA:diacylglycerol acyltransferase Antigen 85 complex B   |
| <b>Expression Region</b> | 41-325aa  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged   |
| <b>Mol. Weight</b>       | 36.2kDa   |

**Protein Length**

Full Length of Mature Protein

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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